

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MARK KNOLLE	10/06/2012
RECEIVING PARTY DATA	
Name:	LONGYEAR TM, INC.
Street Address:	10808 South River Front Parkway
Internal Address:	Suite 600
City:	South Jordan
State/Country:	UTAH
Postal Code:	84095
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13727678
CORRESPONDENCE DATA	
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Address Line 4:	Atlanta, GEORGIA 30309
ATTORNEY DOCKET NUMBER:	36362.0131U3
NAME OF SUBMITTER:	John G. Graves
Signature:	/John G. Graves/
Date:	07/02/2013
Total Attachments: 2	
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OP \$40.00 13727678

ASSIGNMENT

WHEREAS, I, MARK KNOLLE, of 175 Collins Road, Marietta, Ohio 45750, invented new and useful improvements in **"SYSTEMS AND METHODS FOR SONIC SUBSURFACE MATERIAL REMOVAL,"** for which a United States Patent Application was filed on July 23, 2012, and assigned Application No. 61/674,809; and

WHEREAS, LONGYEAR TM, INC., a Utah corporation, whose principal address is 10808 South River Front Parkway, Suite 600, South Jordan, Utah 84095, is desirous of acquiring the entire interest in the same;

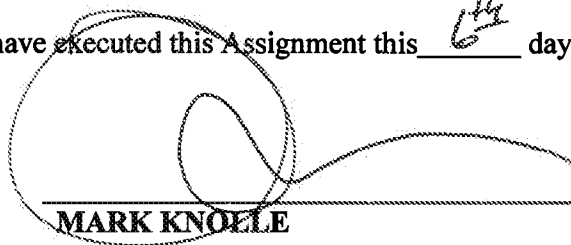
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, **MARK KNOLLE**, hereby do sell, assign and transfer unto said **LONGYEAR TM, INC.** the entire right, title and interest in and to said invention and application throughout the world, including, without limitation, any Letters Patent which may issue thereon, and any subsequent application claiming priority to the above-identified application, reissue, reexamination, divisional, continuation-in-part, extension or continuation thereof and all rights of priority under the Paris Convention arising from said application; the same for **LONGYEAR TM, INC.**'s legal representatives and assigns, as fully and entirely as the same would have been held by me had this assignment and sale not been made;

AND, I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid **LONGYEAR TM, INC.**, its legal

representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world.

I also authorize counsel for **LONGYEAR TM, INC.** to enter above the filing date and application number of the application when they become available.

IN WITNESS WHEREOF, I have executed this Assignment this 6th day of OCTOBER, 2012.



MARK KNOLE (L.S.)

WITNESS:

On this 6th day of October, 2012, I witnessed **Mark Knolle** execute the foregoing assignment.

Shona Huck

Witness Printed Name

Shona Huck

Witness Signature